

The Fortnightly
REVIEW

OF THE CHICAGO DENTAL SOCIETY

July 15, 1946

Volume 12 • Number 2



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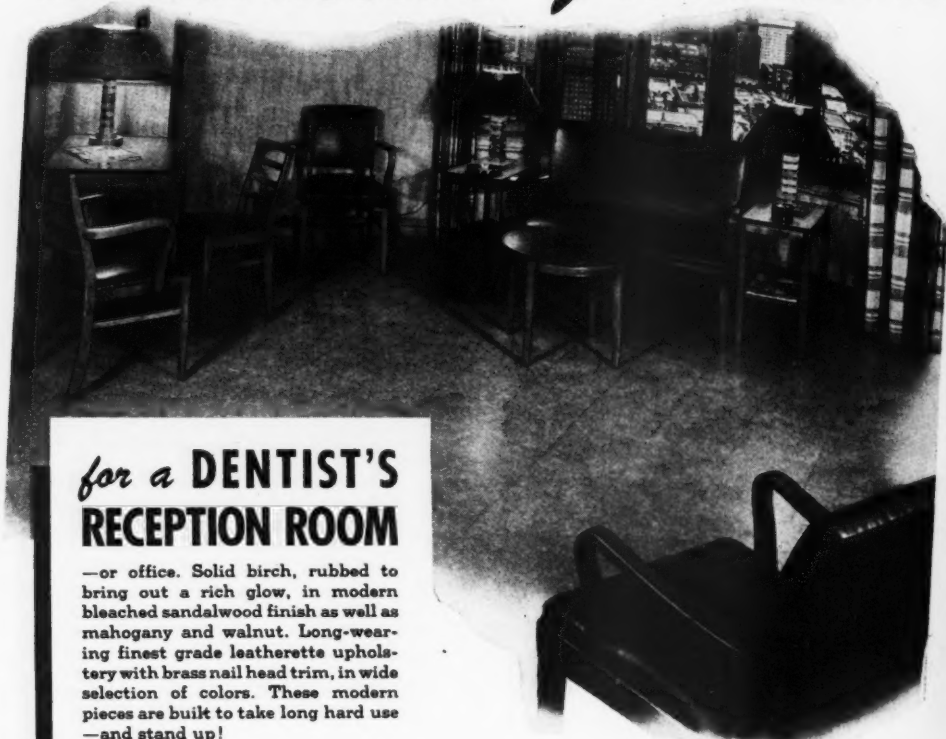
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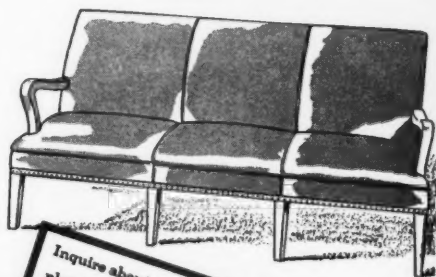
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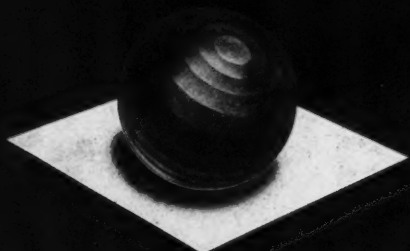
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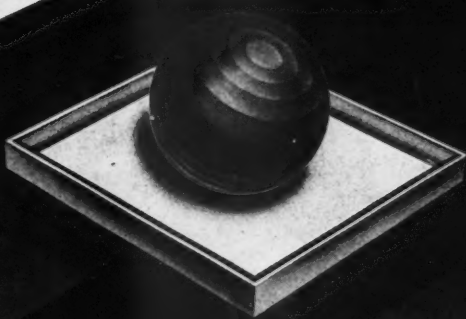
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The Fortnightly **REVIEW**

OF THE CHICAGO DENTAL SOCIETY

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Gold Inlays and Crown and Bridge Prosthesis

A. H. Bassman, D.D.S.

7

Editorial

9

Roster of Associate Memberships

10

News and Announcements

20

News of the Branches

21

Society Directory

23

Ethics Committee

23

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The Fortnightly **REVIEW**

of

THE CHICAGO DENTAL SOCIETY

July 15, 1946

Volume 12 • Number 2

Gold Inlays and Crown and Bridge Prosthesis*

A. H. Bassman, D.D.S., Milwaukee, Wis.

A proper examination of tooth structure and design of cavity preparation is of great importance in a successful inlay restoration. The bite-wing x-ray is probably the best means of determining the location and extent of tooth decay. In the interpretation of regular full mouth radiograms, one is often inclined to completely overlook the presence of carious teeth and for this reason four posterior bite-wing x-rays are best suited for this diagnosis. The patient's age, the location of the teeth and susceptibility toward tooth decay is to be considered before the beginning of cavity preparation.

THREE SURFACE INLAYS

The two surface inlay should seldom be constructed for the second bicuspid or first molar teeth of either arch. The inclusion of sufficient tooth structure to permit the construction of the MOD inlay for such teeth is not only justifiable but may be considered necessary for we know from experience that many such teeth are lost owing to the reluctance of the operator to include the third surface in the original preparation. It may seem radical to destroy apparently sound tooth structure, but a more permanent restoration is obtained and thus a better health service is rendered the patient.

Should the mesio-occlusal surface of the first bicuspid be involved, it is advisable to include the distal surface. Disto-occlusal inlays, however, are quite satisfactory for all first bicuspid. The mesio-occlusal inlay for the second molar is also satisfactory but should the disto-occlusal surface of this tooth be involved it is better practice to also include the mesial surface.

LOWER FIRST MOLAR

The most extensively involved tooth encountered is probably the lower first molar. Frequently it is necessary to shoe the entire lingual and buccal cusps of this tooth. The inclusion of the buccal fissure in the preparation will avert the fracture of the weak lingual wall and the dislodgment of the inlay.

Local anesthesia should be employed when preparing the cavity. Diamond instruments of various shapes, burs, sharp chisels, medium and coarse carbo-paper discs are used. Sufficient tooth structure must be removed to obtain self-cleansing margins, to guard against subsequent fracture of enamel and to obtain adequate retention.

MARGINS AND CONTACTS

The margins of the completed preparation should not be in contact with ap-

*Presented at the regular monthly meeting of the Chicago Dental Society, November 27, 1945.

proximating tooth structure, particularly at the gingival seat. A rough contact area on an approximating tooth is to be well polished or a temporary cement filling placed if decay is present. The bulky surface of an approximating restoration is to be reduced and polished to facilitate the removal of the wax pattern and to insure contour and a good contact point upon the completion of the new inlay. Trichloroacetic acid is frequently used in the treatment of lacerated tissues.

With few exceptions it is advisable to place a germicidal cement base in the prepared cavity prior to securing the wax pattern. A cement base of considerable thickness, when inserted without pressure on the dentinal tubuli, will aid in averting thermal changes and discomfort in mastication.

WAX PATTERNS

Most wax patterns can be made without the use of a matrix. A well prepared cavity does not possess undercuts. The only undercuts encountered are on the external contour of the tooth. An inlay wax of medium hardness is selected. After heating the wax in a gas flame it is applied into the cavity with light finger pressure. The lingual and buccal surfaces of the tooth involved and part of the approximating teeth are covered with the wax. A thickness of two millimeters of wax is retained over the occlusal surface. The wax may be slowly chilled with cold air, and then removed from the cavity. Care should be taken that the locking effect of the external contour of the teeth does not distort that part of the wax which will later become the finished pattern.

The initial wax pattern is dried and an additional amount of wax is added at the gingival seat. It is resealed in the cavity with increased finger pressure. It is again removed from the cavity, the degree of accuracy noted, and the gingival seat trimmed to nearly the desired finish with a sharp lance. It is placed back on the tooth again with increased finger pressure; then, the occlusal sur-

face is carved until the lingual and buccal cusps are slightly exposed. All shavings of wax are washed away with water. The occlusal surface of the wax pattern is dried. With the aid of a warm wax instrument this surface is softened for the registration of centric and functional occlusion. The final carving of the wax pattern is now continued. Heating of wax instruments is to be avoided. Upon completion of the pattern a nineteen gauge V-shaped wire sprue is warmed and attached to the occlusal surface of the pattern. At all times only cold air is used to chill the wax. The completed pattern is then drawn from the tooth with gentle traction in a direction parallel to the cavity walls. The pattern is washed with water to remove all adhering saliva or blood. The apex of the V-shaped sprue is attached to the softened carding wax in the sprue base. The contact surfaces are enlarged by the addition of carding wax.

INVESTMENT OF PATTERN

It is important that the completed pattern be invested immediately to eliminate any subsequent changes. In order to reduce the surface tension of the wax it is treated with one of the commercial products. The investment material used should be one of normal expansion in an asbestos lined ring. All forms of vibration are eliminated in the investing process; this will produce smoother castings.

Thermal over-expansion of the investment in the casting process is to be guarded against. The desired temperature should be retained in the mold at the time of casting. A gold of medium hardness is used for unified results.

CEMENTING AND POLISHING

The completed casting is trimmed with coarse carbolite and medium carbo-paper discs. The anatomy of the occlusal surface is cut with burs #701 and #600. The inlay is placed in the tooth. The contact points and occlusion are estab-

(Continued on page 25)

EDITORIAL

BULLETIN VS. REVIEW

As every reader knows the scope of the official publication of the Chicago Dental Society has broadened considerably in the past decade. In its original form it was designed to be a bulletin in which were recorded the activities of the Board of Directors and the various committees of the Society along with the programs of the Monthly and Midwinter Meetings and Branch Society news. This was all very well as long as the publication was circulated only among the members of the Society practicing in Chicago and its environs.

But now that the Associate Member has become an integral part of the organization, the circulation has increased until it takes in all of Illinois and sections of neighboring states as well. Including the associate members, the membership of the Chicago Dental Society is now approximately 6,000. This makes it the second largest dental society in the world.

In "Joe Bicuspid" the FORTNIGHTLY REVIEW possesses a feature that is perhaps the epitome of satire. True enough, it is sometimes out of this world and in the realm of dreams. There may be some dispute as to whether or not a dental magazine should indulge in fantasy, but opinions garnered from readers indicate that Joe is the pause-that-refreshes as they scan the pages looking for something new and different.

Aside from that, it seems eminently fitting that the FORTNIGHTLY REVIEW should carry more articles of scientific interest. This will interfere, in nowise, with the primary purpose of the magazine which is to function as the official publication of the Society. Both Dr. Hillenbrand and Dr. Kesel believed in this premise and under their guidance the goal was fast being attained. The new editorial board expects to expand this policy. The Board of Directors already has made an appropriation, at Dr. Kesel's suggestion, which will make possible the printing of abstracts from the literature as well as full articles when they are of more than passing interest. Articles, necessarily, will be limited to those of not more than six printed pages and to those with few, if any, illustrations.

In this issue appears another in a series of papers which have been presented before the Chicago Dental Society either at its Monthly or Midwinter Meetings. In it Dr. A. H. Bassman of Milwaukee describes his inlay and crown and bridge technique. The reader will find his methods extremely practical.—*James H. Keith.*

Roster of Associate Memberships of CHICAGO DENTAL SOCIETY For 1946

In this issue the associate membership roster is presented. Please check your name for correct spelling and address, and forward any corrections to the Secretary, 30 North Michigan Avenue, Chicago 2, Illinois. Retain this roster for future reference.

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 Clark, Walter E., Asheville, N. C.
 Clark, William F., Opeleka, Ala.
 Clawson, M. Don, Nashville, Tenn.
 Clendenin, George D., Washington, D. C.
 Cleophas, G. E., Beloit, Wisc.
 Cleveland, Wesley R., Waterloo, Wisc.
 Clifford, Frank C., Kokomo, Ind.
 Clotworthy, W. B., Knoxville, Tenn.
 Coburn, H. L., Grand Rapids, Mich.
 Cohan, William M., Kankakee, Ill.
 Cohen, Joseph T., Minneapolis, Minn.
 Cohen, S. S., Cleveland, O.
 Cohn, A. C., Milwaukee, Wisc.
 Cole, Delbert L., Bangor, Mich.
 Coleman, George A., Philadelphia, Pa.
 Coles, Frank Van de Ven, Mt. Pleasant, Ia.
 Coles, O. L., Magnolia, Miss.
 Collins, Clarence P., Kenosha, Wisc.
 Collins, James W., Detroit, Mich.
 Collis, K. L., Lohrville, Ia.
 Collis, K. O., Boone, Ia.
 Cone, George, Osceola, Ark.
 Conley, Claude S., Frankfort, Ind.
 Conley, Philip J., West Warwick, R. I.
 Connell, E. B., Chattanooga, Tenn.
 Connell, L. F., Milwaukee, Wisc.
 Cook, I. L., Gillett, Wisc.
 Cook, J. S., Valparaiso, Ind.
 Cook, O. J., Des Moines, Ia.
 Coomer, O. B., Louisville, Ky.
 Cooney, John A., Oconomowoc, Wisc.
 Cooney, Joseph F., Woodstock, Ontario, Can.
 Cooper, R. A., Alexis, Ill.
 Cooper, R. H., Martinsville, Ill.
 Cooper, R. R., Salina, Kans.
 Cooper, V. D., Birmingham, Ala.
 Corby, Arthur E., New York, N. Y.
 Corlew, John J., Mt. Vernon, Ill.
 Cornick, Henry W., Austin, Tex.
 Costa, Arthur L., Iron Mountain, Mich.
 Couch, Cary C., Madison, Wisc.
 Couvillion, Marsden C., Orange, Tex.
 Couvert, George B., Lansing, Mich.
 Cowan, George A., Hesperia, Ontario, Can.
 Cox, Edward S., Steubenville, O.
 Crabb, Lloyd A., Dallas, Tex.
 Craig, W. Earle, Pittsburgh, Pa.
 Cramer, Harold C., Milwaukee, Wisc.
 Crawford, Ralph W., St. Paul, Nebr.
 Creek, Loverne W., Kankakee, Ill.
 Creig, R. E., Cleveland, O.
 Croft, Owen L., Halifax, Nova Scotia, Can.
 Crook, J. Hobson, Dallas, Tex.
 Cross, A. J., Freedom, Pa.
 Crouse, George C., Anderson, Ind.

Crouse, Harold M., Johnstown, Pa.
Croxon, Ernest B., Kankakee, Ill.
Crumpton, Robert I., Pittsburgh, Pa.
Crusins, George H., Muncie, Ind.
Cumley, Edward R., Cincinnati, O.
Curran, Bruce A., Cleveland, O.
Current, William C., Statesville, N. C.
Curry, W. W., Holden, W. Va.

D

Dabry, Rudolph F., Algoma, Wisc.
Dailey, Harold T., South Bend, Ind.
Dailey, James S., Lexington, Ky.
Dalglish, R. C., Salt Lake City, Utah
Damron, W. K., Manchester, Ind.
Danforth, Edward R., Indianapolis, Ind.
Daniels, Charles L., Aurora, Ill.
Dandreiter, Charles P., Sterling, Ill.
Daugherty, Frank B., Peotone, Ill.
Daugherty, Walter P., Ottawa, Ill.
Davis, Edith, Indianapolis, Ind.
Davis, Frederick G., North Judson, Ind.
Davis, John M., Wheaton, Ill.
Davis, W. Clyde, Lincoln, Nebr.
Davis, W. W., Lincoln, Ill.
Dean, Robert A., Minneapolis, Minn.
Degni, Francisco, Sao Paulo, Brazil
Deindorfer, Charles R., Aurora, Ill.
Deitering, A. J., Des Moines, Ia.
De Makes, William, Milwaukee, Wisc.
De Mars, Raymond N., Milwaukee, Wisc.
Dement, Robert L., Atlanta, Ga.
Denison, George H., Hanna, Ind.
Dennestadt, F. A., Lakewood, O.
Dennis, B. A., McCook, Nebr.
Denny, R. Frank, Indianapolis, Ind.
Densmore, J. A., South Bend, Ind.
Deokyne, Byron J., Fortville, Ind.
Devaney, Jr., James H., Cascade, Ia.
Dewhirst, L. W., Flora, Ill.
Diana, Henry F., New Britain, Conn
Dibbles, B. R., Hammond, Ind.
Dice, G. K., Tipton, Ia.
Dicks, C. W., Indianapolis, Ind.
Diehl, Val C., Savanna, Ill.
Dienstbier, B., Omaha, Nebr.
Dietrich, Carl P., Akron, O.
Dillon, F. A., Syracuse, N. Y.
Dillon, L. B., Birmingham, Ala.
Dimmich, H. Cortes, Ft. Wayne, Ind.
Dimond, J. W., Lima, O.
Dishmaker, G. M., Kewaunee, Wisc.
Ditnbrenner, H. H., Noblesville, Ind.
Dixon, J. L., Clinton, Ill.
Dodd, Lloyd H., Decatur, Ill.
Dolby, George H., New York, N. Y.
Donahoe, J. D., Sioux Falls, S. D.
Donahoe, Lawrence A., Omaha, Nebr.
Donahue, Everett T., Lafayette, Ind.
Donaldson, J. P., Pittsburgh, Pa.
Donigan, Maurice L., Montreal, Quebec, Can.
Donnelly, Andrew J., Muskegon, Mich.
Donner, Walter O., Cleveland, O.
Donoho, G. B., Paducah, Ky.
Doolen, Deane E., Lincoln, Ill.
Doran, Edward, Buffalo, N. Y.
Douglas, E. J., Decatur, Ill.
Douglas, Rex N., Elkhart, Ind.
Downing, Ellwood D., Roanoke, Va.
Downs, W. B., Aurora, Ill.
Doyle, M. J., Lansing, Mich.
Draper, Donal H., Indianapolis, Ind.
Dreiling, Dan D., Junction City, Kans.
Drenning, Eugene J., Joliet, Ill.
Dresen, O. M., Milwaukee, Wisc.
Driscoll, R. J., Gillett, Wisc.
Droegkamp, Gilbert H., Milwaukee, Wisc.
Drosen, Edward, Milwaukee, Wisc.
Dunfee, Clyde H., Plymouth, Ind.
Dunwell, J. R., Grand Rapids, Mich.
Durham, Frank A., Louisville, Ky.
Dvorak, L. H., Jacksonville, Fla.
Dvorak, W. A., St. Paul, Minn.
Dwight, J. F., Des Moines, Ia.
Dwire, George J., Colorado Springs, Colo.
Dykens, William R., Glen-Lyon, Pa.

E

Eaton, Earl M., Cedar Rapids, Ia.
Ebersole, F. B., Davenport, Ia.
Edstrom, F. B., Rockford, Ill.
Edward, L. M., Durham, N. C.
Edwards, A. J., Cincinnati, O.

Edwards, D. W., Lincoln, Nebr.
Edwards, E. E., Sheridan, Wyo.
Edwards, Ralph R., St. Charles, Ill.
Eggers, H. L., Sioux Falls, S. D.
Eichman, C. E., Toledo, O.
Eller, C. B., Clarinda, Ia.
Elliott, E. A., Indianapolis, Ind.
Ellis, Clenet R., Lexington, Ky.
Ellis, R. W., Salem, S. D.
Elmes, V. K., Flint, Mich.
Eman, Vernor H., Grand Rapids, Mich.
Emanuel, E. J., Milwaukee, Wisc.
Emerson, Harry, Breeze, Ill.
Emmons, Harold L., Saco, Me.
Englander, Joseph A., Milwaukee, Wisc.
Epstein, Irwin A., St. Paul, Minn.
Epstein, S. B., Akron, O.
Essig, F. Harold, Dowagiac, Mich.
Evans, J. Henderson, Steubenville, O.
Evans, L. N., Milwaukee, Wisc.
Everett, M. M., Geneseo, Ill.
Ewbank, E. E., Kingman, Ind.
Ewing, C. D., Lawton, Mich.
Exon, George E., Wichita, Kans.
Eyler, G. K., Salina, Kans.

F

Falls, W. M., Washington, D. C.
Fanning, Raymond J., Naperville, Ill.
Fanton, L. D., Des Moines, Ia.
Farkes, S. N., Youngstown, O.
Farmer, B. E., Austin, Tex.
Farmer, Hiram C., Van Buren, Ark.
Farmer, W. T., Birmingham, Ala.
Farr, Cecil, Port Arthur, Tex.
Farver, Alvin D., Miami Beach, Fla.
Fastle, G. E., Waseca, Minn.
Federspiel, P. J., Racine, Wisc.
Feeger, A. J., Elkhart, Ind.
Fekner, R. J., Kansas City, Mo.
Fellows, E. W., Seneca, Ill.
Fenner, C. L., Cedar Rapids, Ia.
Ferguson, J. Alfred, Kingston, Tenn.
Ferkel, Louis, Rockford, Ill.
Ferraro, James W., Akron, O.
Ferrell, W. D., Nashville, Tenn.
Fiero, C. N., Erie, Pa.
Figg, R. Miles, Le Mars, Ia.
Figg, William A., Joliet, Ill.
Filer, S. Stokes, Atlanta, Ga.
Fineman, George G., Detroit, Mich.
Finklestein, C. I., Montreal, Quebec, Can.
Finlay, Albert I., Pittsburgh, Pa.
Fiorella, J. C., Birmingham, Ala.
Fischer, Hesse H., Akron, O.
FitzGerald, Leslie M., Dubuque, Ia.
Fitzpatrick, T. A., Wheaton, Ill.
Flack, W. S., Mishawaka, Ind.
Flagstad, C. O., Minneapolis, Minn.
Flanagan, James H., Conway, Ark.
Flannery, E. E., Decatur, Ill.
Flatley, L. J., Kenosha, Wisc.
Fleming, C. L., Kewanee, Ill.
Flickinger, S. H., Baldwin, Kans.
Flora, Kenneth L., Hammond, Ind.
Floyd, Frank L., Elmhurst, Ill.
Foley, H. E., Grand Forks, N. D.
Foley, Joseph W., Gloucester, Mass.
Foote, L. La Verne, Seattle, Wash.
Forester, Jr., J. J., Springfield, Ill.
Fosdick, Leonard S., Chicago, Ill.
Foster, Howard M., Minneapolis, Minn.
Foster, Howard S., Danville, Ill.
Foster, Ray P., Owensboro, Ky.
Fox, E. H., Canton, O.
Fraleigh, James H., Kalamazoo, Mich.
Franklin, Benjamin E., Detroit, Mich.
Franklin, Donald L., St. Charles, Ill.
Franklin, Nathan M., Milwaukee, Wisc.
Frazier, A. L., Danville, Ill.
Frech, Carl A., Gary, Ind.
Frederickson, A. C., Racine, Wisc.
Freeman, Charles B., Aurora, Ill.
Freeman, Harold W., Grant Park, Ill.
Frey, Jr., F. Z., Harrisburg, Pa.
Frey, John A., Beloit, Wisc.
Fricke, C. R., Pittsburgh, Pa.
Friedman, Harry W., Milwaukee, Wisc.
Friedman, H. J., Cudahy, Wisc.
Friedman, I. L., Minneapolis, Minn.
Fross, G. H., South Bend, Ind.
Fuhr, Wendell, Joplin, Mo.
Funkhouser, Ira D., La Crosse, Ind.
Fuqua, John W., Elgin, Ill.
Furnas, I. Lester, La Jolla, Calif.

G

Gabe, George C., Kenosha, Wisc.
 Galvin, M. R., Cleveland, O.
 Gardey, Arnold G., Saginaw, Mich.
 Gardner, Ronald C., La Porte, Ind.
 Garrett, Steve A., Atlanta, Ga.
 Garrison, N. E., Centralia, Ill.
 Garvey, F. Raymond, St. Paul, Minn.
 Garvey, Thomas B., Lancaster, Pa.
 Gates, E. G., Norfolk, Va.
 Gates, O. J., Fort Atkinson, Wisc.
 Gattozzi, John J., Cleveland, O.
 Gausman, William C., Neodesha, Kans.
 Gebhardt, Earl C., Camp Grant, Ill.
 Gehan, Thomas J., St. Paul, Minn.
 Gehl, D. H., Milwaukee, Wisc.
 Gentilly, J. V., Cleveland, O.
 George, Robert K., Indianapolis, Ind.
 Gerber, W. B., Dayton, O.
 Gerchgall, Jacob, Kankakee, Ill.
 Germann, H. E., Cincinnati, O.
 Getsring, Henry J., Kansas City, Mo.
 Geurink, H. J., Cleveland, O.
 Gevirtz, J., Hammond, Ind.
 Geyer, Claude L., South Bend, Ind.
 Gibbs, Millard D., Hot Springs, Ark.
 Giblin, W. A., Montclair, N. J.
 Gibson, Kenneth F., Moline, Ill.
 Gieringer, R. E., Cincinnati, O.
 Gieseler, W. D., Wheeling, W. Va.
 Gilbreath, Everett D., Kansas City, Mo.
 Giles, Thomas S., St. Louis, Mo.
 Gill, Henry L., Indianapolis, Ind.
 Gillespie, C. C., Johnson City, Ill.
 Gilliland, H. C., Arkansas City, Kans.
 Gilling, L. B., Green Bay, Wisc.
 Gillis, Robert R., Hammond, Ind.
 Gilmore, Allan E., Michigan City, Ind.
 Glann, George W., Des Moines, Ia.
 Gleason, Gale R., Traverse City, Mich.
 Gleason, Thomas J., St. Louis, Mo.
 Gleason, F. P., Kewanee, Ill.
 Gleich, Gordon J., Ontonagon, Mich.
 Globensky, L. M., Benton Harbor, Mich.
 Gochenour, L. W., Clarksburg, W. Va.
 Godwin, Julius G., St. Louis, Mo.
 Goen, D. J., Manchester, Ia.
 Goldenberg, M., Montreal, Quebec, Canada
 Goldstein, Isadore, Minneapolis, Minn.
 Goldstein, Samuel, Buffalo, N. Y.
 Gonwa, W. J., Chrisman, Ill.
 Goodman, B. F., Detroit, Mich.
 Goodman, Druey, Louisiana, Mo.
 Goodsell, J. O., Saginaw, Mich.
 Gordon, John S., Avon, Ill.
 Gordon, H. J., Sturgeon Bay, Wisc.
 Gorman, James B., Antioch, Ill.
 Gorman, M. A., Louisville, Ky.
 Gott, D. G., Wapakoneta, O.
 Gould, P. A., Gibsonburg, O.
 Grace, Russell L., Albany, Ga.
 Graham, G. A., Lapeer, Mich.
 Granof, J., Milwaukee, Wisc.
 Granof, S., Milwaukee, Wisc.
 Grant, C. D., Clinton, Ia.
 Grant, H. A., Fort Collins, Colo.
 Grant, Jack, Joplin, Mo.
 Gravlee, L. G., Birmingham, Ala.
 Gray, Frederick W., Niagara Falls, N. Y.
 Green, H. B., Detroit, Mich.
 Green, O. Spencer, Kenton, O.
 Greenberg, Jacob H., Buffalo, N. Y.
 Greenberg, Norman, Winnipeg, Manitoba, Can.
 Greenwald, L. J., Columbus, O.
 Gregg, G. T., Pittsburgh, Pa.
 Gregory, G. T., Indianapolis, Ind.
 Griffin, Roy, Columbus, Miss.
 Griffin, R. W., Verona, Pa.
 Griffith, E. L., Freeport, Ill.
 Griffith, L. J., Des Moines, Ia.
 Griffith, L. R., Protection, Kans.
 Griss, J. H., Toronto, Ontario, Canada
 Grissom, Leo L., Decatur, Ill.
 Grosby, Charles P., St. Louis, Mo.
 Grubb, G. A., Lincoln, Nebr.
 Grubb, H. D., Cleveland, O.
 Grubb, Sheldon G., Cleveland, O.
 Gruebel, R. A., Guymon, Okla.
 Gruenebaum, Morris, Cincinnati, O.
 Gruye, Ralph E., Worthington, Minn.
 Gugisburg, A. W., Des Moines, Ia.
 Guilett, Don W., Toronto, Ontario, Can.
 Gunton, G. A. G., Aurora, Ont., Can.
 Guthrie, J. D., Seattle, Wash.

H

Haas, Oscar M., Milwaukee, Wisc.
 Haas, W. A., St. Joseph, Mo.
 Hair, I. M., Atlanta, Ga.
 Hake, H. N., Reinbeck, Ia.
 Halbmaier, A. E., Kankakee, Ill.
 Hale, E. E., Coalwood, W. Va.
 Hall, Alvin, Madison, W. Va.
 Hall, F. H., Nashville, Tenn.
 Hall, Frank J., Memphis, Tenn.
 Halmhuber, P. G., Detroit, Mich.
 Halperin, H. M., Montreal, Quebec, Can.
 Halverson, H. J., St. Cloud, Wisc.
 Hamilton, Harvey M., Batavia, Ill.
 Hamilton, L. W., New Castle, Pa.
 Hamm, Wayne L., Paxton, Ill.
 Hammond, D. T., Racine, Wisc.
 Hanley, James E., East Orange, N. J.
 Hanna, Hilery E., El Dorado, Ark.
 Hansen, A. E., Racine, Wisc.
 Hardgrove, T. A., Fond du Lac, Wisc.
 Hare, George C., Toronto, Ontario, Can.
 Harker, Lee A., Minneapolis, Minn.
 Harman, Glen H., Hooper, Nebr.
 Harned, W. M., Waterloo, Ia.
 Harpham, R. B., Lockport, Ill.
 Harris, Elam, Louisville, Ky.
 Harris, J. G., Cuba City, Wisc.
 Harrold, G. F., Elwood, Ind.
 Harsen, C. H., Algonac, Mich.
 Hart, E. R., St. Louis, Mo.
 Hart, W. R., St. Louis, Mo.
 Harter, A. L., Kokomo, Ind.
 Hastings, Eva R., Des Moines, Ia.
 Haussermann, C. F., Champaign, Ill.
 Haussermann, Ford, Champaign, Ill.
 Havel, Theodore R., Cleveland, O.
 Hawkins, C. J., Evansville, Ind.
 Hawley, Joseph M., Columbus, Ga.
 Hayden, H. C., Hammond, Ind.
 Hayes, Thomas J., Tonawanda, N. Y.
 Hayes, W. Merrick, Tonawanda, N. Y.
 Haynes, Edgar T., Indianapolis, Ind.
 Healy, J. Nelson, Buffalo, N. Y.
 Hebble, Clyde H., Columbus, O.
 Heck, T. P., Muncie, Ind.
 Hedenschoug, Wright, Princeton, Ill.
 Heggy, Glen F., Beloit, Wisc.
 Heibert, A. C., Akron, O.
 Heighway, J. C., Ottawa, Ill.
 Heineman, P. T., Plattsmouth, Nebr.
 Heise, G. H., Manitowoc, Wisc.
 Heizmann, C. N., Bradford, Ill.
 Helgeson, H. O., Marinette, Wisc.
 Hellenberg, A. W., Mishawaka, Ind.
 Helm, Charles S., Rockford, Ill.
 Helmbock, G. W., Boonville, Ind.
 Helman, Charles A., South Bend, Ind.
 Helmer, P. A., Kewanee, Ill.
 Hemsworth, L. C., Waterloo, Ia.
 Henkelmann, Carl J., Lincoln, Nebr.
 Henkin, Mort, Sioux City, Ia.
 Henry, C. R., Ossian, Ia.
 Henry, Lawrence H., Wheaton, Ill.
 Henry, Raymond R., Minneapolis, Minn.
 Henschel, A. W., Milwaukee, Wisc.
 Henshaw, Charles H., Des Moines, Ia.
 Herman, Carlton M., Allenton, Wisc.
 Herman, J. E., Sandusky, O.
 Herman, Joseph F., Peoria, Ill.
 Herse, R. L., Laurel, Nebr.
 Hessling, H. W., Ottawa, Ill.
 Hester, Charles J., Panama City, Fla.
 Hester, James L., Panama City, Fla.
 Heston, H. F., Dayton, O.
 Hiatt, G. A., Indianapolis, Ind.
 Highfield, J. F., Princeton, Ill.
 Hilgemann, Victor H., Fort Wayne, Ind.
 Hill, LeRoy L., Aurora, Ill.
 Hill, O. D., Freeport, Ill.
 Hill, Paul K., Pasadena, Calif.
 Hillin, Glenn R., Dallas, Tex.
 Hilt, R. A., Muskegon, Mich.
 Hilty, O. K., Fort Wayne, Ind.
 Hine, Maynard K., Indianapolis, Ind.
 Hinson, Ardenne, Memphis, Tenn.
 Hirsch, S. F. M., Cleveland, O.
 Hirschfield, Isador, New York, N. Y.
 Hirwas, R. E., Negaunee, Mich.
 Hoag, E. E., Peoria, Ill.
 Hoare, Alton R., South Bend, Ind.
 Hobe, Paul G., Alliance, O.
 Hodge, Edward L., McPherson, Kans.
 Hodge, H. W., Wichita, Kans.
 Hoelscher, F. J., Seattle, Wash.
 Hoermann, Alfred H., Watertown, Wisc.
 Hoffer, H., Regina, Sask., Can.

Hoffman, Gail T., Des Moines, Ia.
Hoffman, Karl R., Algona, Ia.
Hoffman, O. H., Hannaford, N. D.
Hoffman, Olin E., Des Moines, Ia.
Hofstetter, Charles A., Cleveland, O.
Hogan, F. H., Huntington, Tenn.
Hollenback, George M., Los Angeles, Calif.
Hollers, James P., (address unknown)
Holliger, H. H., Huron, O.
Hollingsworth, John S., Sheboygan, Wisc.
Hollister, C. J., Harrisburg, Pa.
Hollowell, L. E., Clinton, Ia.
Holman, Lucien H., Alton, Ill.
Holmes, H. Claude, Wichita, Kans.
Holmes, H. H., Chadwick, Ill.
Holmes, Scott T., Muskegon, Mich.
Holtzmann, C. W., Minneapolis, Minn.
Holz, Carl W., Springfield, Ill.
Honey, Jr., Edgar A., Kalamazoo, Mich.
Hoopman, E. J., Norfolk, Nebr.
Hopkins, Joseph A., Rockford, Ill.
Hoppe, H. O., Milwaukee, Wisc.
Hordusky, C. W., Union City, Pa.
Hornak, Andrew J., Milwaukee, Wisc.
Horneck, N. M., Oshkosh, Wisc.
Horwitz, H. B., St. Paul, Minn.
Houck, Fred R., Huntington, Ind.
Howard, B. H., Wauwatosa, Wisc.
Howard, Waldo J., Houston, Tex.
Howell, P. A., Beloit, Wisc.
Howland, T. P., De Kalb, Ill.
Howlett, Jr., Luke, Springfield, Mo.
Howtan, L., Osceola, Ark.
Hoyer, Emerson M., Sandusky, O.
Huber, W. F., Milwaukee, Wisc.
Huckaba, E. F., Chattanooga, Tenn.
Huckelberry, J. W., Indianapolis, Ind.
Hudson, Alden, Green Bay, Wisc.
Hudson, J. R., Dayton, O.
Huff, Malvern D., Atlanta, Ga.
Huffman, M. L., Walhalla, N. D.
Hufnagel, O. S., Clayton, Ill.
Hullett, E. C., Hammond, Ind.
Hunter, Henry W., Cleveland, O.
Hurley, M. C., Clinton, Ia.
Hutcherson, J. Bernard, Louisville, Ky.
Hutchins, Clare E., Lansing, Mich.
Hyatt, Irwin T., Atlanta, Ga.
Hyde, Raymond K., Pittsburgh, Pa.
Hyndman, P. A., Harrison, Ohio.

I

Iden, W. M., Vermilion, O.
Ingham, George C., Amarillo, Tex.
Irwin, Glenn D., Terre Haute, Ind.
Isenberger, C. F., Lanark, Ill.
Isenhower, H. R., Bloomfield, Ind.
Ising, Byron D., Oshkosh, Wisc.
Israel, Marvin E., Buffalo, N. Y.
Israel, Melvin L., Buffalo, N. Y.

J

Jackson, George H., Denver, Colo.
Jackson, J. Bernhard, Kansas City, Mo.
Jackson, W. Vance, La Grange, Ga.
Jacobsmeier, E. H., Clayton, Mo.
Jacobsen, H. P., Minneapolis, Minn.
Jagers, C. H., Princeton, Ky.
Jakubek, Frank E., Milwaukee, Wisc.
James, Allison G., Beverly Hills, Calif.
James, David W., Ann Arbor, Mich.
Jamieson, O. Meek, Memphis, Tenn.
Jansen, John C., Green Bay, Wisc.
Jarabak, J. R., East Chicago, Ind.
Jarrell, M. L., Chattanooga, Tenn.
Jeffery, A. W., Seattle, Wash.
Jenkins, A. E., Kansas City, Mo.
Jenkins, H. L., Chattanooga, Tenn.
Jennings, C. E., Memphis, Tenn.
Jensen, Norwood S., Milwaukee, Wisc.
Jesson, S. P., Detroit, Mich.
John, J. E., Roanoke, Va.
Johnson, Ambrose, Dayton, O.
Johnson, B. H., Nashville, Tenn.
Johnson, E. C., Eagle Grove, Ia.
Johnson, Edward J., Kenosha, Wisc.
Johnson, Emmett R., Dallas, Tex.
Johnson, H. Leonard, Rockford, Ill.
Johnson, John L., Vincennes, Ind.
Johnson, Max M., Vancouver, B. C., Can.
Johnson, M. E., Waukesha, Wisc.
Johnson, Melvin G., Racine, Wisc.
Johnson, R. E., St. Paul, Minn.

Johnson, Robert E., Norwalk, O.
Johnson, Roy O., Valparaiso, Ind.
Johnston, C. L., Canton, Ga.
Johnston, G. W., Toronto, Ontario, Can.
Johnston, Leo S., Louisville, Ky.
Johnston, L. Roy, Greenfield, Mass.
Jones, C. H., Lakewood, O.
Jones, Chester W., Anderson, Ind.
Jones, E. Horace, Cincinnati, O.
Jones, P. L., Nephi, Utah
Jones, Thomas W., Miami, Fla.
Jordan, Calvert L., Olney, Ill.
Jordan, J. D., Little Rock, Ark.
Jordan, J. M., Plymouth, Ind.
Joyce, R. C., Appleton, Wisc.
Justice, R. M., Ashland, Ky.
Jurgens, A. F., Hammond, Ind.
Jaul, H. C., Omaha, Nebr.

K

Kaep, Henry J., Dubuque, Ia.
Kaffie, M. E., Shreveport, La.
Kalsched, A. H., Marshfield, Wisc.
Kammen, Irving F., Cleveland, O.
Kanute, C. M., St. Charles, Ill.
Kartheiser, Phillip J., Aurora, Ill.
Katrana, John N., East Moline, Ill.
Kay, Louis E., Niagara Falls, N. Y.
Kay, Starling E., Dayton, O.
Keiser, Earl, Plymouth, Ind.
Kellam, C. H., Barrington, Ill.
Kelley, M. H., Knox, Ind.
Kelly, Hubert M., Joliet, Ill.
Kelly, Maybra M., Sreator, Ill.
Kelly, P. J., Uniontown, Pa.
Kelly, William N., Clinton, Ind.
Kemper, W. A., Indianapolis, Ind.
Kendall, C. H., Milwaukee, Wisc.
Kendrick, M. P., Memphis, Tenn.
Kendrick, Jr., Z. V., Charlotte, N. C.
Kennedy, Claude M., Des Moines, Ia.
Kennedy, Fred A., Congersville, Ind.
Kennedy, George L., Villa Grove, Ill.
Kennedy, H. L., Cedar Rapids, Ia.
Kennedy, Joseph B., Des Moines, Ia.
Kennedy, L. T., Knoxville, Tenn.
Kennedy, Ross R., Elkhart, Ind.
Kenower, L. A., Milwaukee, Wisc.
Kershaw, A. James, West Warwick, R. I.
Kesling, Harold D., La Porte, Ind.
Kessler, L. A., Cedar Rapids, Ia.
Kessler, W. B., Oklahoma City, Okla.
Keys, Edgar H., St. Louis, Mo.
Kiesling, Walter N., Logansport, Ind.
Kiel, Stanley L., Lakewood, O.
Killingier, D. W., Greencastle, Ind.
Kimmel, C. L., Cincinnati, O.
King, G. M., Indianapolis, Ind.
King, L. J., Pittsburg, Kans.
King, O. H., Memphis, Tenn.
Kinsley, Dwight R., Cleveland, O.
Kiren, Henry L., Milwaukee, Wisc.
Kirkland, Olin, Montgomery, Ala.
Kirkpatrick, Joe, South Pittsburg, Tenn.
Kita, Henry Y., Salinas, Calif.
Kitchen, C. J. B., Escanaba, Mich.
Klaffenbach, A. O., Iowa City, Ia.
Klein, John A., Omaha, Nebr.
Kleinhenz, James L., East Chicago, Ind.
Klenda, H. M., Wichita, Kans.
Kloehn, S. J., Appleton, Wisc.
Knarr, Welton H., Atlantic, Ia.
Knight, Lester F., Three Oaks, Mich.
Knoche, Elmer J., Buffalo, N. Y.
Knoderer, Walter A., Akron, O.
Knoll, Oscar A., Dubuque, Ia.
Koehler, B. W., Wauwatosa, Wisc.
Kohn, Leonard, Brooklyn, N. Y.
Komers, L. C., Beaver Dam, Wisc.
Kontio, Arthur, Ishpeming, Mich.
Koontz, H. F., Pittsburg, Pa.
Korbelak, Mitchell, Detroit, Mich.
Koval, Joseph, Cleveland, Ohio
Kowals, Chester A., South Bend, Ind.
Kraus, E. Edward, Milwaukee, Wisc.
Krauser, E. L., Kewanee, Ill.
Krejci, F. J., La Porte, Ind.
Kresse, Edward J., Denver, Colo.
Kreutzmann, Edd W., Oconomowoc, Wisc.
Kromer, E. H., Waverly, Ia.
Kroskus, G. L., Assiniboia, Sask., Can.
Kubiak, F. S., South Bend, Ind.
Kubick, Frank R., Waukegan, Ill.
Kulich, S. G., Milwaukee, Wisc.
Kulstad, Hugo M., Hollywood, Calif.

L

Laffler, J. A., St. Louis, Mo.
 Lambert, E. W., Salt Lake City, Utah
 Lamons, Frank F., Atlanta, Ga.
 Lamphere, Wallace W., Lincoln, Nebr.
 Landegren, J. W., Burlington, Ia.
 Landess, Hugh A., Lewistown, Ill.
 Landis, G. T., Remington, Ind.
 Lange, Henry F., Muscatine, Ia.
 La Porte, E. J., Omaha, Nebr.
 Lapp, S. M., Kenosha, Wisc.
 Larkin, Clarence J., Joliet, Ill.
 Larned, Claude S., Battle Creek, Mich.
 Larson, A. M., Belmond, Ia.
 La Rue, F. Wade, Indianapolis, Ind.
 Laskin, J. E., Cleveland, Ohio
 Latimer, James K., Youngstown, Ohio
 Lauder, Charles E., Monmouth, Ill.
 Laws, III, Hiram A., Chattanooga, Tenn.
 Layman, F. G., Lincoln, Nebr.
 Lee, D. C., North Judson, Ind.
 Leer, Harry D., Indianapolis, Ind.
 LeFevre, Charles H., Muskegon, Mich.
 Leftwich, John G., Tulsa, Okla.
 Leinfelder, M. J., La Crosse, Wisc.
 Leisen, V. J., St. Cloud, Minn.
 Leitch, Murray A., Detroit, Mich.
 Lemley, Ivan, Ottumwa, Ia.
 Lentz, Dale, Indianapolis, Ind.
 Lerch, G. S., Cleveland, Ohio
 Le Sage, George A., Superior, Wisc.
 Leshin, Arno, Chicago, Ill.
 Levitt, Harry L., Cleveland, Ohio
 Levy, Saul, Scranton, Pa.
 Lieb, Edmund F., Minneapolis, Minn.
 Liebe, Carl E., Portland, Ore.
 Lies, D. M., Aurora, Ill.
 Liesemer, Gordon, Detroit, Mich.
 Lindburg, Harry L., Moline, Ill.
 Lindelow, E. H., Lake Mills, Wisc.
 Lindley, C. F., Seattle, Wash.
 Lineberger, H. O., Raleigh, N. C.
 Link, Milton R., Erie, Pa.
 Linn, O. T., Bourbon, Ind.
 Lipetska, E. M., South Bend, Ind.
 Lister, C. S., Hines, Ill.
 Llewellyn, M. L., Gadsden, Ala.
 Loeb, Virgil, St. Louis, Mo.
 Loikrec, Olaf L., New Orleans, La.
 Lokey, Charles W., Birmingham, Ala.
 Longnecker, E. K., Richmond, Ind.
 Lorenz, John C., Shawano, Wisc.
 Lossman, M. F., Tuscola, Ill.
 Loughry, J. A., Cleveland, Ohio
 Loughry, J. Richard, Cleveland, Ohio
 Love, R. D., South Bend, Ind.
 Loving, Harry E., Bristol, Tenn.
 Lucas, J. Wesley, Wichita, Kans.
 Luebke, Walter A., Milwaukee, Wisc.
 Lump, H. C., Mattoon, Ill.
 Lunak, K. V., West Chicago, Ill.
 Luper, James C., Okolona, Miss.
 Luse, Orin A., Fort Wayne, Ind.
 Luten, J. R., Little Rock, Ark.
 Lux, Konrad, Waco, Tex.
 Lyman, John, Cleveland, Ohio
 Lynch, W. J., Whiting, Ind.
 Lynn, Roland, Dallas, Tex.
 Lyons, J. Kenneth, Jackson, Mich.

M

Madden, A. R., Ontario, Calif.
 Maddox, Charles H., Charleston, W. Va.
 Maddux, N. P., Asheville, N. C.
 Magnelia, W. M., Rockford, Ill.
 Magnuson, J. E., La Porte, Ill.
 Maher, F. J., Sandusky, Ohio
 Mahle, Eugene H., Peoria, Ill.
 Mahoney, J. E., Wood River, Ill.
 Main, L. R., St. Louis, Mo.
 Maley, Paul A., Alton, Ill.
 Malinowski, F. P., Hamtramck, Mich.
 Malone, Raymond J., Portland, Me.
 Malson, T. S., Cleveland, Ohio
 Maney, J. L., Oconomowoc, Wisc.
 Manville, Charles V., Detroit, Mich.
 Maras, John J., Streator, Ill.
 Marcan, C. M., Milwaukee, Wisc.
 Marcereau, C. J., Detroit, Mich.
 Markley, Miles R., Denver, Colo.
 Markt, C. J., St. Joseph, Mo.
 Marlow, S. A., Madison, Wisc.
 Marquardt, H. A., Rockford, Ill.
 Marshall, G. Robert, Terre Haute, Ind.
 Marshall, J. A., Morrison, Ill.

Marth, A. Carl, West Bend, Wisc.
 Martin, Aubrey Lee, Seattle, Wash.
 Martin, Bernard A., Indianapolis, Ind.
 Martin, Ralph M., Mishawaka, Ind.
 Mason, C. L., South Bend, Ind.
 Mason, H. W., Indianapolis, Ind.
 Mason, James P., Fort Smith, Ark.
 Mason, R. A., Milwaukee, Wisc.
 Mast, Herman D., Washington, D. C.
 Mathews, John C., Montgomery, Ala.
 Masten, Guy M., Winston-Salem, N. C.
 Matson, C. H., Flint, Mich.
 Matteson, R. C., Sioux City, Ia.
 Matthews, Harry W., Aurora, Ill.
 May, C. R., Hales Corners, Wisc.
 Maybee, Bert E., Kansas City, Mo.
 Mayerson, J. J., Milwaukee, Wisc.
 Mayfield, C. T., Kokomo, Ind.
 McAuley, Frank C., Seattle, Wash.
 McCann, George C., Danville, Ill.
 McCarthy, J. W., La Porte, Ind.
 McClung, Ralph C., Birmingham, Ala.
 McCollum, B. B., Los Angeles, Calif.
 McCollum, N. J., West Frankfort, Ill.
 McConghney, John C., New Castle, Pa.
 McCormack, O. J., Syracuse, N. Y.
 McCormack, P. V., Atlanta, Ga.
 McCormack, R. F., Atlanta, Ga.
 McCormick, L. Riley, Madison, Wisc.
 McCoy, Clarence V., Bloomington, Ind.
 McCrary, L. J., Neenah, Wisc.
 McCudden, L. D., Milwaukee, Wisc.
 McDermott, L. A., Toledo, Ohio
 McDonell, C. Hugh, Omaha, Nebr.
 McElmurry, Orville S., Archbold, Ohio
 McFall, Walter T., Asheville, N. C.
 McGee, Paul K., Waycross, Ga.
 McGrane, H. F., Chicago, Ill.
 McGregor, John W., Evansville, Ind.
 McHardy, Colin A., Baton Rouge, La.
 McKee, William A., Benton, Ill.
 McKellar, Douglas A., Ardmore, Okla.
 McKemie, C. K., Albany, Ga.
 McKenna, W. F., Veederburg, Ind.
 McLaughlin, Neil, Vermontville, Mich.
 McLure, Roy M., Opelika, Ala.
 McNamara, Donald J., Galena, Ill.
 McNulty, Wilbur P., Fort Wayne, Ind.
 McPheeters, James A., Bluffton, Ind.
 McRimmon, D. C., Fort Worth, Tex.
 McWherter, Earl, Hot Springs, Ark.
 McWhirter, Ralph, Allison, Ia.
 Mead, E. C., Rockford, Ill.
 Meade, Mary B., Carmi, Ill.
 Measor, Leonard G., Everett, Wash.
 Meeker, W. R., Peru, Ind.
 Meese, Harold F., Buffalo, N. Y.
 Meier, L. C., Cleveland, Ohio
 Meisser, J. C., Cleveland, Ohio
 Merchant, H. A., Omaha, Nebr.
 Merrill, Copeland, Wellesley, Mass.
 Mertz, C. N., Topeka, Kans.
 Messerman, Theodore, Cleveland, Ohio
 Messinger, C. W., Houghton, Mich.
 Meswarb, A. E., Cedar Falls, Ia.
 Metcalf, John G., Alhambra, Calif.
 Meyer, L. F., Sandusky, Ohio
 Meyer, Lowell F., Milwaukee, Wisc.
 Meyers, Robert J., Indianapolis, Ind.
 Michael, Samuel R., Cleveland, Ohio
 Miller, C. L., South Bend, Ind.
 Miller, Floyd H., Fairbury, Ill.
 Miller, Fred D., Altoona, Pa.
 Miller, I. Franklin, Pittsburgh, Pa.
 Miller, K. W., Barnesville, Ohio
 Miller, M. J., Ossian, Ia.
 Miller, Paul D., Camp McCoy, Wisc.
 Miller, R. G., South Bend, Ind.
 Miller, Ronald H., Grand Rapids, Mich.
 Miller, S. F., Milwaukee, Wisc.
 Miller, T. D., Joplin, Mo.
 Miller, William N., Flint, Mich.
 Milliette, Gerald T., Milwaukee, Wisc.
 Milligan, William, Portland, Ind.
 Minshall, Lawrence K., Rockford, Ill.
 Mitchell, Arnold W., Montreal, Quebec, Canada
 Mitchell, Edward L., Indianapolis, Ind.
 Mitchell, Roy D., Atlanta, Ga.
 Mitchell, W. P., Dennison, Ohio
 Mitton, Glenn T., Toronto, Ontario, Canada
 Mnookin, S. M., Kansas City, Mo.
 Moe, A. H., Bookings, S. D.
 Moen, O. H., Watertown, Wisc.
 Mogilkan, Bernard A., Milwaukee, Wisc.
 Mohn, M. C., Moberg, S. D.
 Monette, R. J., Birmingham, Ala.
 Monfort, Louis H., Gary, Ind.
 Montague, A. J., Detroit, Mich.

Monteleone, I. J., Cleveland, Ohio
 Montgomery, E. W. A., Evansville, Ind.
 Mooney, C. R., Brodhead, Wisc.
 Moore, Clayton J., Grand Island, Nebr.
 Moore, Fred L., Cincinnati, Ohio
 Moore, Harold S., Syracuse, N. Y.
 Moravec, Ed. L., Cedar Rapids, Ia.
 Morehead, Robert T., Nashville, Tenn.
 Morgan, George E., Milwaukee, Wisc.
 Morris, Harold G., Youngstown, Ohio
 Morris, L. E., Indianapolis, Ind.
 Morrison, J. H., Rensselaer, Ind.
 Morrison, S. F., Erie, Pa.
 Morrow, Bruce J., Macomb, Ill.
 Mortell, G. J., Green Bay, Wisc.
 Mortell, John P., Oshkosh, Wisc.
 Morton, H. G., Milwaukee, Wisc.
 Morton, John L., Golden City, Mo.
 Mortonson, James C., Milwaukee, Wisc.
 Mortonson, Jr., M. H., Milwaukee, Wisc.
 Mortonson, Morton H., Milwaukee, Wisc.
 Mortonson, T. K., Milwaukee, Wisc.
 Moses, Charles H., Hamilton, Ontario, Canada
 Mosher, Dean H., Mendota, Ill.
 Mosher, Donald F., Kansas City, Mo.
 Moss, Z. W., Dixon, Ill.
 Moxley, Richard, Birmingham, Ala.
 Moyer, Walter E., Denver, Colo.
 Mulder, Edward W., Grand Rapids, Mich.
 Mull, Cecil R., Lansing, Mich.
 Munger, M. W., Mt. Pleasant, Ia.
 Murphey, Phelps J., Richmond, Va.
 Murphey, William C., Uniontown, Pa.
 Mustian, Wallace F., Durham, N. C.
 Muzzy, Leo B., Odell, Ill.
 Myers, L. E., Omaha, Nebr.

N

Nachazel, Delbert P., Milwaukee, Wisc.
 Naus, J. H., South Bend, Ind.
 Neal, Irl J., Mattoon, Ill.
 Neber, L. W., Springfield, Ill.
 Nehls, E. C., Wisconsin Rapids, Wisc.
 Neighbors, A. J., Hope, Ark.
 Nelson, Clifford T., Grand Rapids, Mich.
 Nelson, Clyde A., Milford, Del.
 Nelson, G. W., Prophetstown, Ill.
 Nesbitt, R. W., Milwaukee, Wisc.
 Nesler, Clarence O., Dubuque, Ia.
 Nesler, William M., Dubuque, Ia.
 Neuenschwander, W. E., Fort Wayne, Ind.
 Neuhoft, F. A., Belleville, Ill.
 Neuwirth, P. Sidney, Peoria, Ill.
 Newbold, J. W., Kenton, Ohio
 Newman, Leon E., Cleveland, Ohio
 Newton, K. D., Roseville, Mich.
 Newton, Walter T., Houston, Tex.
 Nichols, Paul, Terre Haute, Ind.
 Nicholson, Ralph G., Aurora, Ill.
 Niedhamer, H. J., Cincinnati, Ohio
 Niemi, Walter A., Fitchburg, Mass.
 Nirschl, Boyd A., South Milwaukee, Wisc.
 Nolan, Robert J., Gary, Ind.
 Nolen, James C., Muskegon, Mich.
 Nolen, John H., Muskegon, Mich.
 Nolting, Daniel P., Albuquerque, N. Mex.
 Northcutt, Claud A., Ponca City, Okla.
 Nourie, E. J., Kankakee, Ill.
 Nystruen, J. W., Algonquin, Ill.

O

Oberdorfer, E. N., Iron River, Mich.
 Ochs, W. A. C., Mankato, Minn.
 O'Connell, H. L., Murphysboro, Ill.
 O'Connor, Garland G., Omaha, Nebr.
 O'Donnell, John E., Seattle, Wash.
 O'Farrell, J., Daughtry, Houston, Tex.
 Ogilvie, Robert A., Grand Forks, N. D.
 O'Halloran, F. H., Evansville, Ind.
 O'Hara, M. P., Ypsilanti, Mich.
 Ohlsberg, E. E., Minneapolis, Minn.
 O'Keefe, W. J., Hammond, Ind.
 Oliver, Oren A., Nashville, Tenn.
 Oliver, Richard T., Tulsa, Okla.
 Olson, Carl O., Oelwein, Ia.
 Olsson, F. W., Kansas City, Mo.
 Orendorff, A. G., Bloomington, Ill.
 Osborn, C. W., Cissna Park, Ill.
 Ostrow, Maurice, Milwaukee, Wisc.
 Ottaway, James G., Milwaukee, Wisc.
 Oursler, W. W., Memphis, Tenn.
 Oviatt, E. C., Columbus, Wisc.
 Owen, E. B., St. Louis, Mo.
 Owen, John W., Union Grove, Wisc.
 Owen, W. B., Maryville, Mo.

Owens, Frederick M., St. Paul, Minn.
 Owens, Lester H., Raymond, Wash.
 Owens, Rannells C., Battle Creek, Mich.

P

Padelford, Donald C., Rochester, N. Y.
 Painter, J. K., Elwood City, Pa.
 Palmer, Walter J., Sterling, Ill.
 Pankey, L. D., Coral Gables, Fla.
 Pantera, Matthew J., Buffalo, N. Y.
 Papermaster, A. A., Fargo, N. D.
 Paradis, David A., Canton, Ohio
 Parker, C. E., Wichita, Kans.
 Parkinson, D. T., Wichita, Kans.
 Pastor, H. L., Cincinnati, Ohio
 Patterson, A. B., Joliet, Ill.
 Patterson, G. W., Batavia, N. Y.
 Pattillo, R. E. L., Moultrie, Ga.
 Pattishall, H. B., Jacksonville, Fla.
 Patton, A. W., Tuscaloosa, Ala.
 Paule, Walter H., Burlington, Ia.
 Paulsen, E. C., Homewood, Ill.
 Payne, Lee E., Cincinnati, Ohio
 Paynter, Floyd L., Omaha, Nebr.
 Peacock, H. B., Opelika, Ala.
 Pearson, H. H., Montreal, Quebec, Canada
 Pearson, J. D., Wabash, Ind.
 Peay, Graves, Little Rock, Ark.
 Pedersen, Merritt C., Lincoln, Nebr.
 Peel, F. F., Des Moines, Ia.
 Pepple, J. S., Princeton, Ind.
 Percival, Harold C., Fort Knox, Ky.
 Perkins, F. Lanier, Memphis, Tenn.
 Perry, H. L., Fostoria, Ohio
 Perschbacher, Chester I., Appleton, Wisc.
 Peters, Kenneth W., Lansing, Mich.
 Peterson, Albert W., Bloomington, Ill.
 Peterson, C. E., Rockville, Conn.
 Peterson, C. R., Osceola, Nebr.
 Peterson, Everette A., Denver, Colo.
 Peterson, L. M., Arlington, Nebr.
 Petry, John, Charles City, Ia.
 Peyton, F. A., Houston, Tex.
 Pfister, H. H., Wahpeton, N. D.
 Phelan, Robert P., Milwaukee, Wisc.
 Phillips, Fred C., Royal Oak, Mich.
 Phillips, Harry S., Knoxville, Tenn.
 Phillips, Samuel E., Peoria, Ill.
 Pichotta, J. E., Mayville, Wisc.
 Pickard, J. L., Benton, Ill.
 Pielemeier, Ashley A., Vincennes, Ind.
 Pierce, Claude E., French Lick, Ind.
 Pierson, F. A., Lincoln, Nebr.
 Pierson, Jack, Atlanta, Ga.
 Pillars, Floyd W., Des Moines, Ia.
 Pinney, Lewis C., Saginaw, Mich.
 Piscitelli, V. J., La Salle, Ill.
 Place, W. H., Freeport, Ill.
 Plant, H. D., Bessemer, Tenn.
 Plesofsky, Jacob, Memphis, Tenn.
 Pless, Cecil A., Asheville, N. C.
 Plotts, Harold, Des Moines, Ia.
 Plous, Fred J., Iron River, Mich.
 Plummer, R. E., Seattle, Wash.
 Poch, Lewis N., Montreal, Quebec, Canada
 Poe, Earl J., St. Louis, Mo.
 Poindexter, J. Bernard, Huntington, W. Va.
 Poiron, Clarence J., Milwaukee, Wisc.
 Pommier, H. R., Kankakee, Ill.
 Pool, Hardy F., Mason City, Ia.
 Popp, L. C., Green Bay, Wisc.
 Poser, H. F., Milwaukee, Wisc.
 Postlewait, Claude M., Decatur, Ill.
 Potter, Daniel C., Milwaukee, Wisc.
 Pound, Edwin C., Atlanta, Ga.
 Powell, Borden, Dayton, Ohio
 Powell, G. F., Columbus, Ohio
 Powell, R. R., Indianapolis, Ind.
 Powers, John L., Waterloo, Ia.
 Powley, J. Wesley, Hammond, Ind.
 Pownall, R. M., Plymouth, Ind.
 Prall, Elmer C., Mt. Vernon, Ia.
 Prendergast, W. K., Toronto, Ontario, Canada
 Prettyman, Raymond B., Bryan, Ohio
 Price, Walter W., Charleston, W. Va.
 Priest, Charles A., Marion, Ind.
 Probst, Edmund A., South Bend, Ind.
 Proskovec, Louis A., Columbus, Nebr.
 Purcell, Thomas E., University, Mo.
 Pursell, F. M., Akron, Ohio
 Pusch, H. G., Milwaukee, Wisc.

Q

Quinby, H. D., Buffalo, N. Y.
 Quinlan, C. D., Lima, Ohio
 Quinn, J. P., Dana, Ind.

R

Rachels, W. F., Memphis, Tenn.
 Radde, B. C., Benton Harbor, Mich.
 Rademacher, Bruce N., Le Center, Minn.
 Rader, G. B., Charleston, W. Va.
 Radusch, Dorothea, Minneapolis, Minn.
 Radzinski, Paul A., Detroit, Mich.
 Ralstin, H. W., Wichita, Kans.
 Ramsay, K. Paul, Kansas City, Mo.
 Ramsey, W. W., Erie, Pa.
 Ranfranz, Oscar E., Houston, Tex.
 Ranney, Glenn B., Lansing, Mich.
 Rasor, Frank B., Canal Winchester, Ohio
 Rauch, J. B., Carlsbad, N. Mex.
 Rauch, Sam D., Thomaston, Ga.
 Raus, Edward J., Cleveland, Ohio
 Rawlings, C. A., New Castle, Ind.
 Recob, C. F., Seattle, Wash.
 Redman, R. J., Henderson, Ky.
 Redus, Robert A., Nashville, Tenn.
 Rees, Frank J., Coalville, Utah
 Reibel, Irving E., Indianapolis, Ind.
 Reilly, Albert, Jacksonville, Fla.
 Reynard, R. L., Muncie, Ind.
 Rhinehart, Karl T., Dayton, Ohio
 Rial, Bruce P., Pittsburgh, Pa.
 Rice, H. L., Dallas, Tex.
 Rice, Raymond L., La Porte, Ind.
 Rich, Celia, Nashville, Tenn.
 Richards, A. J., Detroit, Mich.
 Richardson, H. C., Cannelton, Ind.
 Richardson, Thomas L., Enid, Okla.
 Richer, C. O., Portland, Ind.
 Richeson, S. B., Sidney, Ohio
 Richey, Earl L., Rockford, Ill.
 Richmond, F. A., Kansas City, Kans.
 Rider, T. T., Missoula, Mont.
 Riffle, A. B., Rochester, N. Y.
 Riley, William T., Owensboro, Ky.
 Rilling, J. A., Abbotsford, Wisc.
 Ringol, Louis, Louisville, Ky.
 Ripp, L. J., Omaha, Nebr.
 Risk, Luther A., Lafayette, Ind.
 Risk, Paul A., Lafayette, Ind.
 Ritchey, J. S., Joplin, Mo.
 Ritter, LeRoy B., Canton, Ill.
 Ritter, M. A., Indianapolis, Ind.
 Robbins, Samuel M., Cleveland, Ohio
 Roberts, A. L., Aurora, Ill.
 Roberts, Ernest R., Daytona Beach, Fla.
 Robinson, Charles O., Salt Lake City, Utah
 Robinson, E. S., Gooding, Idaho
 Robinson, H. P., Springfield, Ill.
 Robinson, J. Conley, Indianapolis, Ind.
 Robinson, L. G., Valparaiso, Ind.
 Roche, Edward J., Cincinnati, Ohio
 Roche, Robert A., La Porte, Ind.
 Rode, R. B., St. Louis, Mo.
 Rodefer, B. R., South Bend, Ind.
 Roelke, G. A., Tulsa, Okla.
 Rogan, Francis C., Decatur, Ill.
 Rohde, Arthur C., Milwaukee, Wisc.
 Romine, E. Romle, Detroit, Mich.
 Rosamilla, Peter A., Newark, N. J.
 Rose, Frederick McVain, Champaign, Ill.
 Rosen, Ralph, St. Louis, Mo.
 Rosenberg, D. A., Cleveland, Ohio
 Rosenstein, P. F., Houston, Tex.
 Rosnik, John C., Denver, Colo.
 Ross, Milton S., Cadiz, Ohio
 Ross, P. J., Detroit, Mich.
 Rossel, J. W., Columbus, Ohio
 Rottman, S. M., Milwaukee, Wisc.
 Rotton, Joy A., Shenandoah, Ia.
 Rovestad, Henry R., Elgin, Ill.
 Rover, E. W., Adrian, Mich.
 Ruhland, John J., Milwaukee, Wisc.
 Rushing, John S., El Dorado, Ark.
 Rushing, S. P., El Dorado, Ark.
 Russell, Clark W., Denver, Colo.
 Russell, William R., Stockton, Ill.
 Ruthven, D. C., Houston, Tex.
 Rydberg, Gosta V. T. D., Dallas, Tex.

S

Sackett, Wilbur L., Mariette, Ohio
 Sadd, Albiun F., Cleveland, Ohio
 Saggio, John, Milwaukee, Wisc.
 Sabs, Ernest A., Earlville, Ia.
 Sabs, L. W., Oelwein, Ia.
 Salisbury, Charles G., Bladell, N. Y.
 Samartini, L. H., Cleveland, Ohio
 Sampe, Arthur A., Racine, Wisc.
 Sample, Arthur R., Memphis, Tenn.
 Sanborn, L. T., Minneapolis, Minn.

Sapienza, B. F., Birmingham, Ala.
 Sauerbrun, Leo T., Warren, Ohio
 Sawicki, Alphonse G., Detroit, Mich.
 Scandling, Orville B., South Bend, Ind.
 Schad, Elmer J., Shelby, Ohio
 Schaefer, Ezra E., Denver, Colo.
 Schaefer, V. W., St. Cloud, Minn.
 Scharenbroch, Eugene E., St. Paul, Minn.
 Scheffel, A. B., Ponca, Nebr.
 Scherer, J. W., New Carlisle, Ind.
 Scherer, William H., Houston, Tex.
 Schmid, S. A., Cincinnati, Ohio
 Schied, Edward L., Jackson, Mich.
 Schmidt, A. H., Lincoln, Nebr.
 Schmidt, H. S., Detroit, Mich.
 Schmitt, A. L., Bremen, Ind.
 Schmitt, John A., St. Louis, Mo.
 Schneider, Meyer R., Cincinnati, Ohio
 Schoeny, Leo J., New Orleans, La.
 Schopper, A. F., Kansas City, Mo.
 Schott, Carlos H., Cincinnati, Ohio
 Schroeder, C. H., Omaha, Nebr.
 Schultz, Arthur G., Seattle, Wash.
 Schultz, Chester J., Cleveland, Ohio
 Schultz, W. F., Cleveland, Ohio
 Schwartz, B. F., Lincoln, Nebr.
 Schwartz, William R., Cleveland, Ohio
 Schwarz, J. F., Benton Harbor, Mich.
 Scircle, Roy A., Elwood, Ind.
 Scott, Alex F., Muncie, Ind.
 Scott, W. L., Clinton, Ia.
 Sears, Andy W., Jacksonville, Fla.
 Sears, R. A., Des Moines, Ia.
 Sears, V. H., Salt Lake City, Utah
 Sebold, Edwin J., Syracuse, N. Y.
 Secrest, B. G., Cambridge, Ohio
 Seeman, George F., Nashville, Tenn.
 Seise, J. G., Polo, Ill.
 Seligson, David, Detroit, Mich.
 Sellevold, H. F., Marinette, Wisc.
 Semrau, John, Milwaukee, Wisc.
 Sexton, W. M., Bristol, Va.
 Seyler, A. E., Detroit, Mich.
 Seymour, A. E., Virden, Ill.
 Shafer, John E., Aurora, Nebr.
 Shaffer, L. H., Monmouth, Ill.
 Shane, C. N., Waterloo, Ia.
 Shanewise, W. E., Cuyahoga Falls, Ohio
 Shanley, Leo M., St. Louis, Mo.
 Sharp, Baxter R., Elgin, Ill.
 Sharp, Cyril, Rockford, Ill.
 Sharp, George C., Pasadena, Calif.
 Sharpless, D. H., Everett, Wash.
 Shaughnessy, L., Oglesby, Ill.
 Sheakley, H. S., Cleveland, Ohio
 Sheakley, R. G., Cleveland, Ohio
 Sheffield, L. Langdon, Toledo, Ohio
 Sheffield, Thomas B., Valparaiso, Ind.
 Shelburne, Kenneth L., Indianapolis, Ind.
 Sheldon, F., Copeland, Kansas City, Mo.
 Shellman, J. V., Elgin, Ill.
 Shelton, F. F., Hazard, Ky.
 Shepherd, Barney A., Morton, Ill.
 Sherman, G., Memphis, Tenn.
 Sherman, Jr., Granville, Memphis, Tenn.
 Shikany, M. A., Casner, Wyo.
 Shoemaker, W. A., Mishawaka, Ind.
 Shonfield, Leo, Pittsburgh, Pa.
 Shramek, J. F., Wilber, Nebr.
 Shreves, Paul H., Fort Madison, Ia.
 Shutts, Edward F., Norwalk, Ohio
 Sidenberg, Bennett R., Detroit, Mich.
 Sidlow, Leonard, Detroit, Mich.
 Siegel, R., Cincinnati, Ohio
 Siewert, George D., Milwaukee, Wisc.
 Sigal, M. V., Nashville, Tenn.
 Silver, Louis, Atlanta, Ga.
 Silver, S. C., Detroit, Mich.
 Simley, A. O., Madison, Wisc.
 Simmons, D. G., Logan, W. Va.
 Simms, W. A., St. Joseph, Mo.
 Simon, C. E., Fort Wayne, Ind.
 Simonetti, D. M., Minneapolis, Minn.
 Simpson, D. Hoyt, Atlanta, Ga.
 Singler, H. B., Springfield, Ill.
 Singley, W. H., Pittsburgh, Pa.
 Sinks, O. F., Tulsa, Okla.
 Skinner, Eugene W., Chicago, Ill.
 Sloan, John I., Cleveland, Ohio
 Slugaski, Frank J., Elizabeth, N. J.
 Smaha, George C., Grand Island, Nebr.
 Smart, T. C., Uniontown, Pa.
 Smiggen, Joseph F., Detroit, Mich.
 Smiley, Roy D., Washington, Ind.
 Smiley, T. Charles, Washington, Ind.
 Smith, A., Haywood, Nashville, Tenn.
 Smith, A. Malcolm, Tampa, Fla.
 Smith, Dewey D., Sandusky, Ohio

Smith, E. L., De Kalb, Ill.
 Smith, G. M., Idaho Falls, Idaho
 Smith, G. M., Peoria, Ill.
 Smith, Howard J., Massillon, Ohio
 Smith, Hugh B., Columbus, Ohio
 Smith, M. D., Gary, Ind.
 Smith, O. F., Jackson, Miss.
 Smith, Rowe, Texarkana, Tex.
 Smith, W. F., Regina, Sask., Canada
 Smith, W. T., Hammond Ind.
 Smolenske, William C., Denver, Colo.
 Smoot, R. E., Tulsa, Okla.
 Smyd, E. S., Detroit, Mich.
 Sneed, F. G., Osyka, Miss.
 Snelson, R. A., Warren, Ohio
 Snowden, V. O., Gary, Ind.
 Snyder, C. L., Freeport, Ill.
 Snyder, Dale H., Milwaukee, Wisc.
 Snyder, J. W., Papillion, Nebr.
 Snyder, M. S., Eau Claire, Wisc.
 Sobecki, Clement T., South Bend, Ind.
 Sobolik, C. F., Chicago, Ill.
 Sofo, A. R., Omaha, Nebr.
 Sohm, A. H., Quincy, Ill.
 Solt, Guy L., Hammond, Ind.
 Sorscher, S., Flint, Mich.
 Southard, T. R., Manistique, Mich.
 Sowle, Stuart, Rockford, Ill.
 Spafford, E. A., Rockford, Ill.
 Spahr, J., Eldon, Indianapolis, Ind.
 Specter, W. E., East Chicago, Ind.
 Spencer, Russell G., Huntington, Ind.
 Spinning, Glen S., Indianapolis, Ind.
 Spivey, Arthur, Indianapolis, Ind.
 Sprecker, C., Mansfield, Ohio
 Springer, W. M., Cincinnati, Ohio
 Squiers, A. W., Detroit, Mich.
 Squires, William A., New York, N. Y.
 Stafford, William C., Hope, Ind.
 Staley, P. E., Bedford, Ind.
 Stallings, William H., Akron, Ohio
 Stansberg, C. J., Seattle, Wash.
 Stanwood, H. D., Denver, Colo.
 Stark, Carl J., Cleveland, Ohio
 Stark, H., Marinette, Wisc.
 Starksen, A. F., Brookings, S. D.
 Staughton, G. E., Detroit, Mich.
 Stearns, Rexford H., Oshkosh, Wisc.
 Stedcke, F. A., Lima, Ohio
 Steele, J. A., Marengo, Ill.
 Steen, A. K., Fond du Lac, Wisc.
 Steffen, Dewey T., Hammond, Ind.
 Steffes, Clarence L., East Chicago, Ind.
 Steffes, Eugene Q., East Chicago, Ind.
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 Steinhart, U. T., Washington, Ind.
 Stekl, C. F., Baraboo, Wisc.
 Stephan, John F., Cleveland, Ohio
 Stephany, C. V., Erie, Pa.
 Stephenson, Hugh E., Columbia, Mo.
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 Stevens, R. M., Des Moines, Ia.
 Stevenson, Harley B., Ottumwa, Ia.
 Stevenson, Robert S., Flint, Mich.
 Stewart, C. H., Farragut, Ia.
 Stillier, Aldys, Buffalo, N. Y.
 Stoler, W. K., Valparaiso, Ind.
 Stonebrook, Hoyt W., Eldora, Ia.
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 Summers, M. A., Jacksonville, Ill.
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 Svoboda, F. J., Cozad, Nebr.
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 Swainson, W. S., Elgin, Ill.
 Swales, H. A., Toronto, Ontario, Canada
 Swanson, A. W., Minneapolis, Minn.

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 Swendiman, George A., Grand Forks, N. D.
 Symons, Harry, Detroit, Mich.
 Szabo, Stephen E., Dayton, Ohio

T

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Y

Yahner, Victor B., Kent, Ohio
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 Yechout, R. J., Omaha, Nebr.
 Yuelson, Herman R., Cleveland, Ohio
 Young, Edward, La Porte, Ind.
 Young, H. W., Muskegon, Mich.
 Young, L. B., Wayne, Nebr.

Z

Zanone, Joe, Nashville, Tenn.
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 Zarzour, Hallam, Cleveland, Ohio
 Zederbaum, George, Lansing, Mich.
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 Zoellner, G. C., Fond du Lac, Wisc.
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 Zuccarello, G. M., Nashville, Tenn.
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NEWS AND ANNOUNCEMENTS

1947 MIDWINTER MEETING TO BE HELD AT STEVENS HOTEL

The 1947 Midwinter Meeting of the Chicago Dental Society will be held at the Stevens Hotel, February 10-13, Dr. Robert J. Wells, Secretary, announced recently. The officers and committeemen of the Society are planning a full scale meeting similar to those held prior to the war since it is expected that by the time of the meeting travel and hotel accommodations will be more readily obtainable.

Dr. Otto W. Silberhorn has been named General Chairman of the 1947 meeting; Dr. Milton Cruse, Chairman, and Dr. Paul Salisbury, Vice Chairman of the Program Committee. Dr. Russell G. Boothe is Chairman of the Essay Division and Dr. Paul Kanchier, Chairman of the Limited Attendance Clinic Division.

AMERICAN MILK CONSUMPTION

According to estimates of the Bureau of Agricultural Economics of the U.S. Department of Agriculture, Americans consumed more than half of their dairy products as milk and cream in 1945. Each individual's requirement was 206 quarts. Butter was next on the list, about 102 quarts of milk being required to make up the ration the average American got last year. Cheese, ice cream and concentrated milk were next.

The average American is far short of his nutritional needs on a diet such as quoted above. Such nutritional goals call for an increase of about 40 per cent in cheese consumption, 70 per cent in ice cream, and 50 per cent in milk. In order to equal the amount of butter consumed per capita in normal times in

Canada, an increase of over 100 per cent is called for in the United States.

PUBLIC ANNOUNCEMENTS BY MEMBERS OF C. D. S.

The Ethics Committee reports that there are still a number of irregularities in the use of professional cards. The following resolution is published again in order to acquaint new members with this portion of the Code of Ethics.

"WHEREAS, it is the practice of publishers of media of all kinds to solicit advertisements, commonly called professional cards, from members of the dental profession, and

"WHEREAS, the publication of such cards or advertisements tends to give the dentists concerned public notice to the disadvantage of dentists not so announcing themselves, therefore be it

"RESOLVED, that it is unethical for a member of this Society to insert a professional card in newspapers or in programs for social, church, school and community events, or any similar media, and be it further

"RESOLVED, that it is unethical for a member of this Society to be listed in any directory or list of dentists except those of organized dentistry, and the official classified directory authorized by the Illinois Bell Telephone Company and then only when in conformity with Section 3 of the Code of Ethics, and be it further

"RESOLVED, that proper notice of the adoption of this resolution be published in the official magazine."

This resolution was approved by the Board of Directors and adopted by the membership of the Society at the regular business meeting of January 21, 1943. It is a part of the Code of Ethics and all members shall govern themselves accordingly.

NEWS OF THE BRANCHES

NORTH SIDE

While talking to Bill Schoen, I learned that his brother, Paul, had just walked in the door. A complete and happy surprise. Paul just returned from Rome, Italy. . . . Arnie Liesemer left for Canada where he will visit beautiful Lake Louise and will enjoy the unsurpassed scenic beauty of that country. . . . Leo Kremer has just returned from an extensive tour which included Havana and Florida. . . . Al Bowman is leaving for his summer place in Wisconsin. . . . Russell Boothe vacationed the week of the Fourth at Clear Lake, Indiana. . . . Makes one feel like a train announcer, nothing but arrivals and departures. . . . George M. Winograd has been ill with bronchitis but is now well and is back at the chair trying to make up for the time he spent in service. . . . With deadlines fluctuating and personalities vacationing, the news is somewhat evaporating.—*Orin Baumgarth, Branch Correspondent.*

NORTHWEST

Our big golf outing at White Plains is now history but it was a day for the good sized crowd in attendance to remember. Under the able leadership of Chairman Joe Lebow, everything moved along smoothly and successfully. The day was warm and sunny with just enough breeze to make it comfortable. Our president, Bob Placek, who was largely responsible for the swell day, introduced such celebrities as our parent society president, Bob Humphrey; past-president, Joe Zielinski; our branch president-elect, LaMar Harris; and Bob Kesel, former editor of the FORTNIGHTLY REVIEW. A new golf champion was crowned. Benjamin Goldman shot a 76 to beat an 80 by Gus Tilley. Other net winners were Jimmie Guerrero, E. Johnsen, Al Wahlen, J. Piekos, J. A. McCallum, T. J. Serr, Fred M. Dattelzweig, James H. Olshan. Since

there were so many prizes, almost everyone went home with one. This is, we believe, a record for a dental outing. After the fine chicken dinner and a cigar and lighter for everyone present, movies on golf and fishing were shown. You can not beat the fraternizing that took place around the nineteenth hole. Ask the man who was there. Better plan to come out next year for you never know what you will miss. . . . Congratulations to Samuel A. Contrafatto on his election to the vice-presidency of the Arcolian Dental Society. . . . Recent additions to our branch roster of membership include Rayfield M. Adelman, George Allen Doner, Joseph L. DePinto, Sidney M. Janows, David J. Klapman, Ernest J. Laenertz, Jr. Welcome, gentlemen. . . . Your scribe lost a dear classmate in the passing of Paul G. Papsdorf, Oral Surgeon. . . . This branch extends sympathy to the family of our recently departed Chester J. Geduldig. . . . Now that vacation season is in full swing, telephone or drop us a line about where you are going, what you did, and what you have heard about your friends.—*Gustave J. Tilley, Branch Correspondent.*

ENGLEWOOD

Said a high school lad the other day as he watched me clean a bur on the wire brush, "How long has that brush been there?" When I told him it was older than he was he said, "If you will reverse it you will find it much more efficient." So, I did. Score one for Morgan Park. . . . Had a note on the lab wall to remind me that Dave Handler was back in his office feeling fine after an extended illness. Lo and behold, I met him the other day and he IS looking well. . . . Melvin Meilach is practicing orthodontia in our building. . . . Al Schubert plays Beverly in the 90's, but Sunday he scored 112. Monday morning I ousted a growling Joe Bicuspid (shades of Fred Barich) for

him. Now, Al again scores in the gay 90's. . . . Paul Papsdorf died on June 17. Here in Englewood we will miss him and his cheery greetings. I salute him personally as one of the hardest working men I ever knew. . . . See a detail man out in the hall who looks hotter than I. Hope he knows more news than I. Don't you?—*Webster Byrne, Assistant Branch Correspondent.*

KENWOOD-HYDE PARK

Elmer Ebert has left for New York to attend a course in oral surgery given by Dr. Posner. . . . Bob Pinkerton leaves every Thursday to spend each week-end at Williams Bay, Wisconsin. . . . Gramp Libberton and Ernie Dunn have just returned from a vacation in the West. They witnessed a real rodeo and steer roping contest which, according to all reports, was most exciting. . . . Have not heard any news of the boys on Seventy-first street, so if you hear anything about Blakeley, Mast, Boyd, McKnight, Yocum, Carlson or Strange, let me know. I am sure that the rest of the Kenwood boys would like to know of their activities. . . . Owen Stewart commutes daily from Flint Lake, Indiana to Roseland. He has the prize rose garden at his summer home. It has been named Rosecrest because of these beautiful roses and because it is on the crest of a hill. . . . Willard Johnson is anxiously awaiting the arrival of his new car. . . . The next column will be written by Ralph Libberton since I will be vacationing.—*Lawrence H. Johnson, Branch Correspondent.*

WEST SUBURBAN

One more of our members, George R. Chott, has returned from four and one-half years of service in the Army Dental Corps. He has reopened his office at 6401 West Thirty-fourth Street, Berwyn. Congratulations. . . . George Marquardt and family have postponed a vacation at their summer home in Sault Sainte Marie until July 15, because of the serious illness of Mrs. Marquardt. She recently

returned from the hospital and is now much better. . . . Dorothy Miller, daughter of Guy and Mrs. Miller, was married on June 28 to Mr. Delmar Norton in the First Presbyterian Church of Oak Park. Both Dorothy and her bridegroom are graduates of Northwestern University. . . . Weston Olson and his family have moved back into their own home in River Forest. What a grand and glorious feeling. . . . Grover Sprafka is leaving with his family to vacation for three or four weeks in northern Minnesota and North Dakota. . . . Some of us attended the farewell dinner given Harold Judd Noyes on June 20 at the University Club. Leaders of both the medical and dental professions paid tribute to his splendid qualities and attainments. Harold was a recent speaker at a meeting of this branch. We all rejoice with him on his becoming Dean of the School of Dentistry of the University of Oregon. The Chicago Dental Society loses a valuable member and Northwestern University, a splendid teacher. Many of us have a sense of great personal loss with his departure. He will be a leader of the first order on the Pacific Coast and in this, we rejoice.—*Asa J. La Grow, Branch Correspondent.*

NORTH SUBURBAN

News is about as scarce as a winner at the race track. A call to Eddie Baumann in Arlington Heights for the purpose of obtaining news, received neither news nor tips on the "bang tails." Consequently, the following day I made my usual yearly donation. . . . R. L. Wescott is going to have a huge house warming at his new place in Wilmette. He had a lot of fun remodeling and redecorating it. . . . W. E. Schwind is back at work again after a long illness. We all hope his recovery is complete. . . . O. B. Kibler is fishing again at his old haunt, Trout Lake. Pinky Stine would like to be doing the same thing, but has not been able to arrange it yet. . . . Kermit Knudtson is helping write the war album of Delta

(Continued on page 25)

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Manuscripts and news items of interest to the membership of the Society are solicited.

Forms close on the third and eighteenth of each month. The early submission of material will insure more consideration for publication.

Applications for Membership

The following applications have been received by the Ethics Committee: Any member having information relative to any of the applicants, which would affect their membership, should communicate in writing with Dr. Lester E. Kalk, 5500 S. Halsted St. Anonymous communications or telephone calls will receive no consideration.

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For Sale: American dental cabinet, mahogany, #105. Opalite trays and top intact. Ready for immediate use. Price \$50. Call Dr. Partridge, Hyde Park 4950.

For Sale: One Carrier type 51 C air cooling and conditioning machine, price \$200. One G.E. converter Model E, C D X, X-ray machine, price \$75. Call State 5228.

For Sale: North Side office. Complete new equipment. Telephone Juniper 4321.

FOR RENT

For Rent: Loop office, fully equipped with X-ray unit; available three days a week. Call Franklin 1560 Tuesday, Thursday or Saturday.

For Rent: Large equipped dental office on Logan Square corner. Four days weekly. Call Midway 0623.

For Rent: Dental office approximately 17 by 10 ft. including laboratory space; located on corner of Lincoln, Roscoe and Paulina Streets. Immediate possession. Call Dearborn 2487 between 4 and 6 p.m.

WANTED

Wanted: Dental laboratory technician desires position in dental office or laboratory. Army experience in finishing work on bridges, assisting at chair, keeping records and taking X-rays. Call Merrimac 9197.

Wanted: Loop dental office by ethical Chicago dentist. Have cash for right opportunity. Address H-5, The Fortnightly Review of the Chicago Dental Society.

Wanted: Dental assistant. Hours, 12:30 to 5:30 daily except Wednesday. Some laboratory work but no typing, gas administration or x-ray work. \$25.00 weekly in Loop office. Apply in longhand. Address H-4, The Fortnightly Review of the Chicago Dental Society.

Wanted: Dental assistant. Permanent loop office; no evenings. State references and qualifications. Good salary. Address H-6, The Fortnightly Review of the Chicago Dental Society.

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GOLD INLAYS, CROWN AND BRIDGE PROSTHESIS

(Continued from page 8)

lished. All surfaces of the inlay are polished outside of the mouth without endangering the margins. In the process of cementation little malleting is used. A wood peg is placed between the inlay and the opposing teeth and held there by the patient under considerable pressure for about 3 minutes. The margins are then burnished with coarse and medium carbo-paper and rubber discs. For final polishing triple-x silex is used with soft mounted bristle brushes. The use of tin oxide or rouge for a high lustre is optional.

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(To be concluded in next issue)

NEWS OF THE BRANCHES

(Continued from page 22)

Sigma Delta. . . . Pete Mundell was confined to the hospital recently. He is back in the office now but is still taking things easy. . . . Vic Sleeter of Lake Bluff fell and broke his hip. After a month in the Lake Forest Hospital he was allowed to return home but he is still recuperating. . . . Another one of the hard luck boys is Russ Johnson of Glencoe. Russ has a slipped vertebra and must wear a brace. . . . News of returned servicemen pertains to Doug Meinig who is to open an office in the Church street building about August 1. . . . Jim Lynch and Vic Fetting, two former Chicagoans, are now practicing in Evanston in the Chicago-Main street district. Another former Navy man now located in Evanston is Bob Fleming, who is associated with Jim Plants. . . . Grant McLean picked up a new nickname. He went out with a few of the boys to play golf, saying that he had never played before. Then, after receiving expert advice from everyone, he proceeded to turn in a faultless game with beautiful shots throughout. Now he is called, "McLean, the golfing Marine."—E. J. Sullivan, Branch Correspondent.

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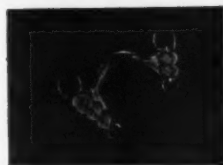
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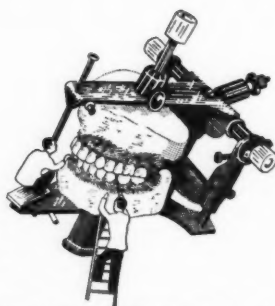
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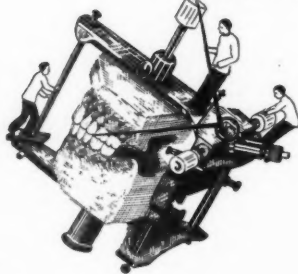
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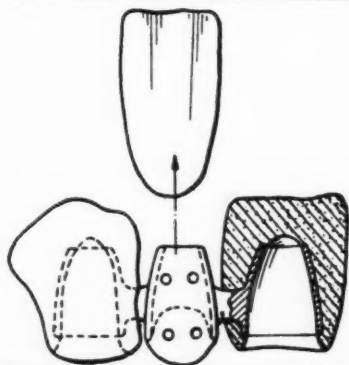
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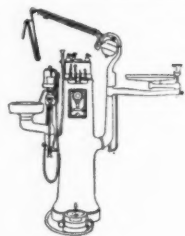
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